

Title (en)  
INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND RECORDING MEDIUM

Title (de)  
INFORMATIONSVERRARBEITUNGSVORRICHTUNG, INFORMATIONSVERRARBEITUNGSVERFAHREN UND AUFZEICHNUNGSMEDIUM

Title (fr)  
DISPOSITIF DE TRAITEMENT DE L'INFORMATION, PROCÉDÉ DE TRAITEMENT DE L'INFORMATION ET SUPPORT D'ENREGISTREMENT

Publication  
**EP 3125275 A4 20171129 (EN)**

Application  
**EP 15769775 A 20150206**

Priority  
• JP 2014069348 A 20140328  
• JP 2015053365 W 20150206

Abstract (en)  
[origin: EP3125275A1] In order to solve the problem that information indicating three or more points on a contour of a figure drawn by an electron beam writer cannot be more precisely acquired, an information processing apparatus includes: an accepting unit that accepts pattern information indicating a pattern figure, and actually observed contour information acquired using an image obtained by capturing an image of a figure drawn by an electron beam writer; a transforming information acquiring unit that acquires transforming information, which is information that minimizes the sum of squares of differences between convolution values corresponding to three or more corrected contour points of a given point spread function in a region indicated by the pattern figure indicated by the pattern information and a threshold regarding the convolution values; a corrected contour point acquiring unit that acquires corrected contour point information, which is information indicating three or more corrected contour points respectively corresponding to three or more actually observed contour points, using the transforming information; and an output unit that outputs the corrected contour point information. Accordingly, it is possible to more precisely acquire information indicating three or more points on a contour of a figure drawn by an electron beam writer.

IPC 8 full level  
**H01L 21/027** (2006.01); **G03F 1/20** (2012.01); **G03F 1/84** (2012.01); **G03F 7/20** (2006.01); **G06T 1/00** (2006.01); **G06T 7/60** (2017.01); **H01J 37/26** (2006.01)

CPC (source: EP KR US)  
**G03F 1/20** (2013.01 - EP KR US); **G03F 1/84** (2013.01 - EP KR US); **G03F 7/20** (2013.01 - EP KR US); **G03F 7/2037** (2013.01 - US); **G06T 7/13** (2016.12 - KR US); **H01J 37/3026** (2013.01 - EP US); **H01J 37/3174** (2013.01 - EP KR US); **H01J 37/3175** (2013.01 - US); **G06T 2207/10061** (2013.01 - KR); **H01J 2237/221** (2013.01 - EP US); **H01J 2237/28** (2013.01 - EP US); **H01J 2237/2817** (2013.01 - EP US)

Citation (search report)  
• [XYI] WO 2013179956 A1 20131205 - HITACHI HIGH TECH CORP [JP] & US 2015212019 A1 20150730 - SHISHIDO CHIE [JP], et al  
• [XII] WO 2006048793 A1 20060511 - KONINKL PHILIPS ELECTRONICS NV [NL], et al  
• [XY] US 2014003703 A1 20140102 - SHIBAHARA TAKUMA [JP], et al  
• See references of WO 2015146313A1

Designated contracting state (EPC)  
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